

REQUEST FOR INSPECTION

☐ Precision Test

☐ Monitoring Well

☒ Tank Closure

☐ Sampling Activities

☐ New Tank/Piping Installation

☐ Other

Date: 6/29 Time: 10:55

Name of Caller: Don, Petroleum Engineer

Phone No.: 545-0360

Property Address: 2592 Halceville  
Casa Grande, Petaluma

Property Owner: Royal Tallow + Soap

Date/Time of Inspection: 6/30/89 @

2:00

Remarks: Call to confirm

Call taken by: Suzy S.



## APPLICATION FOR PERMIT TO OPERATE UNDERGROUND STORAGE TANK

☐ 01 NEW PERMIT      ☐ 05 RENEWED PERMIT      ☐ 07 TANK CLOSED      ☐ 09 DELETE FROM FILE (NO FEE)  
☐ 02 CONDITIONAL PERMIT      ☐ 06 AMENDED PERMIT      ☐ 08 MINOR CHANGE (NO SURCHARGE)

## I OWNER

NAME (CORPORATION, INDIVIDUAL OR PUBLIC AGENCY) DARLING-DELAWARE CO., INC.		PUBLIC AGENCY ONLY <input type="checkbox"/> 01 FED <input type="checkbox"/> 02 STATE <input type="checkbox"/> 03 LOCAL	
STREET ADDRESS 4650 SO. RACINE AVENUE	CITY CHICAGO	STATE IL	ZIP 60609

## II FACILITY

FACILITY NAME ROYAL TALLOW & SOAP CO.		DEALER/FOREMAN/SUPERVISOR JAKE GRAY-MANAGER	
STREET ADDRESS 2592 LAKEVILLE HWY		NEAREST CROSS STREET CASA GRANDE	
CITY PETALUMA	COUNTY SONOMA	ZIP 94952	
MAILING ADDRESS P.O. BOX 738	CITY PETALUMA	STATE CA	ZIP 94953
PHONE W/AREA CODE 707-762-2731	TYPE OF BUSINESS <input type="checkbox"/> 01 GASOLINE STATION <input checked="" type="checkbox"/> 02 OTHER SOAP CO.		
NUMBER OF CONTAINERS 1	RURAL AREAS ONLY :	TOWNSHIP	RANGE
SECTION			

## III 24 HOUR EMERGENCY CONTACT PERSON

DAYS: NAME (LAST NAME FIRST) AND PHONE W/AREA CODE GRAY, JAKE      707-762-2731	NIGHTS: NAME (LAST NAME FIRST) AND PHONE W/AREA CODE GRAY, JAKE      707-763-2532
--	--

COMPLETE THE FOLLOWING ON A SEPARATE FORM FOR EACH CONTAINER

## IV DESCRIPTION

A. <input checked="" type="checkbox"/> 01 TANK <input type="checkbox"/> 04 OTHER:		CONTAINER NUMBER 1
B. MANUFACTURER (IF APPROPRIATE):	YEAR MFG: 1973	C. YEAR INSTALLED 1973 <input type="checkbox"/> UNKNOWN
D. CONTAINER CAPACITY: 2000 GALLONS <input type="checkbox"/> UNKNOWN	E. DOES THE CONTAINER STORE: <input type="checkbox"/> 01 WASTE <input checked="" type="checkbox"/> 02 PRODUCT	
F. DOES THE CONTAINER STORE MOTOR VEHICLE FUEL OR WASTE OIL ? <input checked="" type="checkbox"/> 01 YES <input type="checkbox"/> 02 NO IF YES CHECK APPROPRIATE BOX(ES): <input type="checkbox"/> 01 UNLEADED <input checked="" type="checkbox"/> 02 REGULAR <input type="checkbox"/> 03 PREMIUM <input type="checkbox"/> 04 DIESEL <input type="checkbox"/> 05 WASTE OIL <input type="checkbox"/> 06 OTHER		

## V CONTAINER CONSTRUCTION

A. THICKNESS OF PRIMARY CONTAINMENT: 1/8	<input type="checkbox"/> GAUGE <input checked="" type="checkbox"/> INCHES <input type="checkbox"/> CM <input type="checkbox"/> UNKNOWN
B. <input type="checkbox"/> 01 VAULTED (LOCATED IN AN UNDERGROUND VAULT) <input checked="" type="checkbox"/> 02 NON-VAULTED <input type="checkbox"/> 03 UNKNOWN	
C. <input type="checkbox"/> 01 DOUBLE WALLED <input type="checkbox"/> 02 SINGLE WALLED <input type="checkbox"/> 03 LINED	
D. <input checked="" type="checkbox"/> 01 CARBON STEEL <input type="checkbox"/> 02 STAINLESS STEEL <input type="checkbox"/> 03 FIBERGLASS <input type="checkbox"/> 04 POLYVINYL CHLORIDE <input type="checkbox"/> 05 CONCRETE <input type="checkbox"/> 06 ALUMINUM <input type="checkbox"/> 07 STEEL CLAD <input type="checkbox"/> 08 BRONZE <input type="checkbox"/> 09 COMPOSITE <input type="checkbox"/> 10 NON-METALLIC <input type="checkbox"/> 12 UNKNOWN <input type="checkbox"/> 13 OTHER:	



## CONTAINER CONSTRUCTION

E. ☐ 01 RUBBER LINED ☐ 02 ALKYD LINING ☐ 03 EPOXY LINING ☐ 04 PHENOLIC LINING ☐ 05 GLASS LINING  
☐ 07 UNLINED ☒ 08 UNKNOWN ☐ 09 OTHER:

F. ☒ 01 POLYETHYLENE WRAP ☐ 02 VINYL WRAPPING ☐ 03 CATHODIC PROTECTION ☐ 04 UNKNOWN ☐ 05 NONE  
☐ 06 TAR OR ASPHALT ☐ 09 OTHER:

## VI PIPING

A. ABOVEGROUND PIPING: ☐ 01 DOUBLE-WALLED PIPE ☐ 02 CONCRETE-LINED TRENCH ☐ 03 GRAVITY  
 (CHECK APPROPRIATE BOX(ES)) ☐ 04 PRESSURE ☐ 05 SUCTION ☐ 06 UNKNOWN ☐ 07 NONE

B. UNDERGROUND PIPING: ☐ 01 DOUBLE-WALLED PIPE ☐ 02 CONCRETE-LINED TRENCH ☐ 03 GRAVITY  
 (CHECK APPROPRIATE BOX(ES)) ☐ 04 PRESSURE ☐ 05 SUCTION ☐ 06 UNKNOWN ☐ 07 NONE

## VII LEAK DETECTION

☐ 01 VISUAL ☐ 02 STOCK INVENTORY ☐ 04 VAPOR SNIFF WELLS ☐ 05 SENSOR INSTRUMENT  
☐ 06 GROUND WATER MONITORING WELLS ☐ 07 PRESSURE TEST ☒ 09 NONE ☐ 10 OTHER:

## VIII CHEMICAL COMPOSITION OF MATERIALS STORED IN UNDERGROUND CONTAINERS

IF YOU CHECKED YES TO IV-F YOU ARE NOT REQUIRED TO COMPLETE THIS SECTION

CURRENTLY STORED	PREVIOUSLY STORED	DELETE	CAS# (IF KNOWN)	CHEMICAL (DO NOT USE COMMERCIAL NAME)
<input type="checkbox"/> 01	<input type="checkbox"/> 02	<input type="checkbox"/> 03		
<input type="checkbox"/> 01	<input type="checkbox"/> 02	<input type="checkbox"/> 03		
<input type="checkbox"/> 01	<input type="checkbox"/> 02	<input type="checkbox"/> 03		
<input type="checkbox"/> 01	<input type="checkbox"/> 02	<input type="checkbox"/> 03		
<input type="checkbox"/> 01	<input type="checkbox"/> 02	<input type="checkbox"/> 03		
<input type="checkbox"/> 01	<input type="checkbox"/> 02	<input type="checkbox"/> 03		
<input type="checkbox"/> 01	<input type="checkbox"/> 02	<input type="checkbox"/> 03		
<input type="checkbox"/> 01	<input type="checkbox"/> 02	<input type="checkbox"/> 03		
<input type="checkbox"/> 01	<input type="checkbox"/> 02	<input type="checkbox"/> 03		
<input type="checkbox"/> 01	<input type="checkbox"/> 02	<input type="checkbox"/> 03		
<input type="checkbox"/> 01	<input type="checkbox"/> 02	<input type="checkbox"/> 03		
<input type="checkbox"/> 01	<input type="checkbox"/> 02	<input type="checkbox"/> 03		
<input type="checkbox"/> 01	<input type="checkbox"/> 02	<input type="checkbox"/> 03		
<input type="checkbox"/> 01	<input type="checkbox"/> 02	<input type="checkbox"/> 03		

\* CHECK STATE BOARD CHEMICAL CODE LISTING FOR POSSIBLE SYNONYMS

IS CONTAINER LOCATED ON AN AGRICULTURAL FARM? ☐ 01 YES ☒ 02 NO

THIS FORM HAS BEEN COMPLETED UNDER THE PENALTY OF PERJURY AND, TO THE BEST OF MY KNOWLEDGE, IS TRUE AND CORRECT.

PERSON FILING (SIGNATURE)

PHONE W/AREA CODE

## FOR LOCAL AGENCY USE ONLY

ADMINISTRATING AGENCY		CITY CODE		COUNTY CODE
CONTACT PERSON		PHONE W/AREA CODE		
DATE OF LAST INSPECTION	IN COMPLIANCE <input type="checkbox"/> 01 YES <input type="checkbox"/> 02 NO	PERMIT APPROVAL DATE	TRANSACTION DATE	LOCAL PERMIT ID #



HAZMAT - Request for Action

ID# 1359

Date 3-31-89

Facility Name Royal Tallow

Facility Address 2592 Lakeville

Change in Owner/Operator/Facility Info

Change of Status (specify):

Add/ Delete Tank(s) Number of Tank(s)

Issue Permit (indicate type of permit)

Invoice: Prepare ☒ Delete (# 27612) Adjust (# )

Closure applied for before 4-1-89

Transfer fees from Trust to General Fund \$141 + \$36 when

Other Inv # 27813 is pd

Requested by [Signature]

\*\*\*\*\*

(for clerical use only) Acct. Clk. HazMat Clk. Guar. #





SONOMA COUNTY  
HAZARDOUS MATERIALS MANAGEMENT  
PROGRAM

MEMO  
2435 Professional Drive, Suite A  
Santa Rosa, CA 95403 • (707) 527-1164

DATE: April 11, 1989  
TO: Babette O'Shell/Accounts Receivable  
FROM: Susan Cooper/PH-Hazardous Materials Program Management  
SUBJECT: Notification of changes to Hazardous Materials Accounts  
Receivable Balances.

INVOICE # & DATE	ID#	GUAR. #	REVENUE CODE	INVOICE BALANCE	ADJUSTMENT
---------------------	-----	------------	-----------------	--------------------	------------

27756 2/1/89	2445	6353	81363	\$475.20	(\$237.60)
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Myron Frieberg

651 Broadway, Sonoma, CA 95476

FACILITY ADDRESS: G.A.S. Station, 18017, Sonoma Hwy., Boyes Hot Springs

Reason for adjustment: Tank closure permit applied for 3 tanks 3/27/89.

27612 2/1/89	1359	6403	81363	\$158.40	(\$158.40)
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Royal Tallow & Soap

2592 Lakeville Hwy., Petaluma, CA 94952

FACILITY ADDRESS: same

Reason for adjustment: Tank closure permit applied for 3/30/89.

27672 2/1/89	1744	6468	81363	\$158.40	(\$158.40)
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City of Robnett Park

6750 Commerce Blvd., Robnett Park, CA 94928

FACILITY: Robnett Park Sewage Treatment, 5661 Redwood, RP

Reason for adjustment: Tank closure permit applied for 4/2/89.

See attached documentation.

APPROVED BY:

*[Signature]*

Supervising Environmental Health Specialist  
Hazardous Materials Management Program

NP/ADJUST



## MEMO

DATE: April 11, 1989  
 TO: Babette O'Shell/Accounts Receivable  
 FROM: Susan Cooper/PH-Hazardous Materials Management Program  
 SUBJECT: Revenue adjustments for Hazardous Materials program from  
 revenue code 21363 to 81363.

ID# NAME & ADDRESS	NUMBER OF TANKS	REVENUE ADJUSTMENT
ID#2445 The G.A.S. Station 18017 Sonoma Hwy., Boyes Hot Springs, Ca. 95416 Reason for transfer: Tank closure permit applied for 3/27/89.	3 @ \$23.00	\$ 69.00
ID#1744 Rohnert Park Sewage Treat 5661 Redwod, Rohnert Park, Ca. Reason for transfer: Tank closure permit applied for 4/3/89.	1 @ \$141.00	\$141.00
ID# 1359 Royal Tallow & Soap 2592 Lakeville Hwy., Petaluma, Ca. Reason for transfer: Tank closure applied for 3/30/89.	1 @ \$141.00	\$141.00
ID# 1092 Rohnert Park Corp. Yd. 600 Enterprise Dr., Rohnert Park, Ca. Reason for transfer: Tank closure applied for 4/3/89.	1 @ \$141.00 2 @ \$ 23.00	\$141.00 \$ 46.00
ID# 1108 Rohnert Park Pub. Safety 435 Southwest, Rohnert Park, Ca. Reason for transfer: Tank closure applied for 4/3/89.	1 @ \$141.00	\$141.00
ID# 1857 Bartly Pump Inc. 4000 So. Moorland Ave., Santa Rosa, Ca. Reason for transfer: Tank closure applied for 3/30/89.	1 @ \$141.00 2 @ \$ 23.00	\$141.00 \$ 46.00
ID# 1124 COM Inc. 4320 Santa Rosa Ave., Santa Rosa, Ca. Reason for transfer: Tank closure permit applied for 4/7/89.	1 @ \$141.00 1 @ \$ 23.00	\$141.00 \$ 23.00
ID# 2383 Rohnert Park N. Fire Station 5200 Country Club, Rohnert Park, Ca. Reason for transfer: Tank closure permit applied for 4/3/89.	1 @ \$141.00 1 @ \$ 23.00	\$141.00 \$ 23.00
ID# 1123 Eagle Distributing 4325 Santa Rosa Ave., Santa Rosa, Ca. Reason for transfer: Tank closure permit applied for 4/10/89.	1 @ \$141.00 1 @ \$ 23.00	\$141.00 \$ 64.00

TOTAL OF TRANSFER FROM ACCOUNT 21363 TO ACCOUNT 1363 \$1,358.00



1359

Your Facility

Royal Tallow Soap Co.  
2592 Lakeville  
Petaluma

\$94

Annual permit (first tank)

Additional tanks (# 1 additional tanks x \$47)

*amount transferred  
from acct. 21363 to 1363  
4/11/89*

Plan check and field review (first tank)

\$141

Additional tanks (# 1 additional tanks x \$23)

c. State surcharge (# 1 total tanks x \$56)

56

7619#0000 291.00

0000 291.00

0000 291.00

Total Number of Tanks 1

Total Fee Due

\$ 291.00

12/23/85 15:43 02 1489

Please make all fees payable to Sonoma County Public Health Department. Enclose this worksheet with your check and the completed application.

DIV. OF E.H.

DEC 23 1985



# COUNTY OF SONOMA

INVOICE NO. P- 27612

PLEASE MAKE CHECK PAYABLE TO:

SONOMA COUNTY PUBLIC HEALTH DEPT.  
3313 CHANATE RD, SANTA ROSA, CA. 95404

MAIL TO:

TO:

ID# 00001359

G# 6403

DATE: February 1, 1989

Royal Tallow & Soap  
2592 Lakeville  
Petaluma, CA 94952

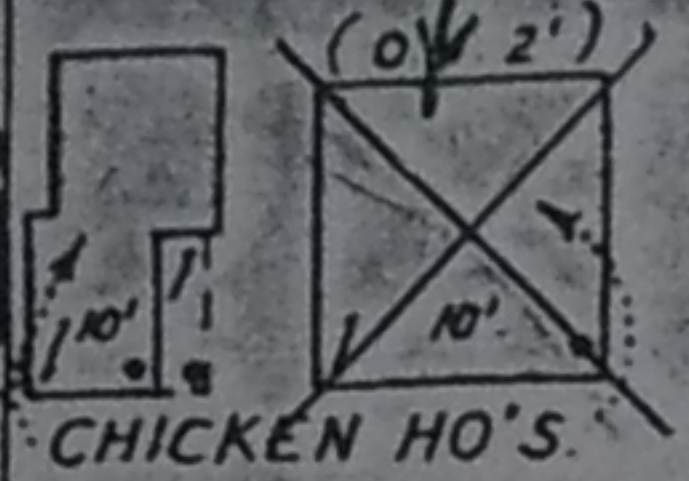
REVENUE  
CODE: 81363

QUANTITY	DESCRIPTION OF MATERIALS AND/OR SERVICES	PRICE	AMOUNT
	FACILITY: Royal Tallow & Soap, 2592 Lakeville, Petaluma		
	PAYMENT DUE DATE: 03/01/89		
	NUMBER OF TANKS: 1		
	Underground Storage Tank Annual Permit (1989-90) (1 tank @ \$144.00, 0 tank(s) @ \$72.00)	\$ 144.00	
	TOTAL DUE:		\$ 144.00
	As per Section 29-8(c) of County Ordinance 3415, a 10% penalty fee will be collected for all fees that are delinquent for 30 days. For each additional month or fraction in which the delinquency continues, an additional 10% penalty shall be collected.		
	PLEASE RETURN ONE COPY OF INVOICE WITH PAYMENT.		



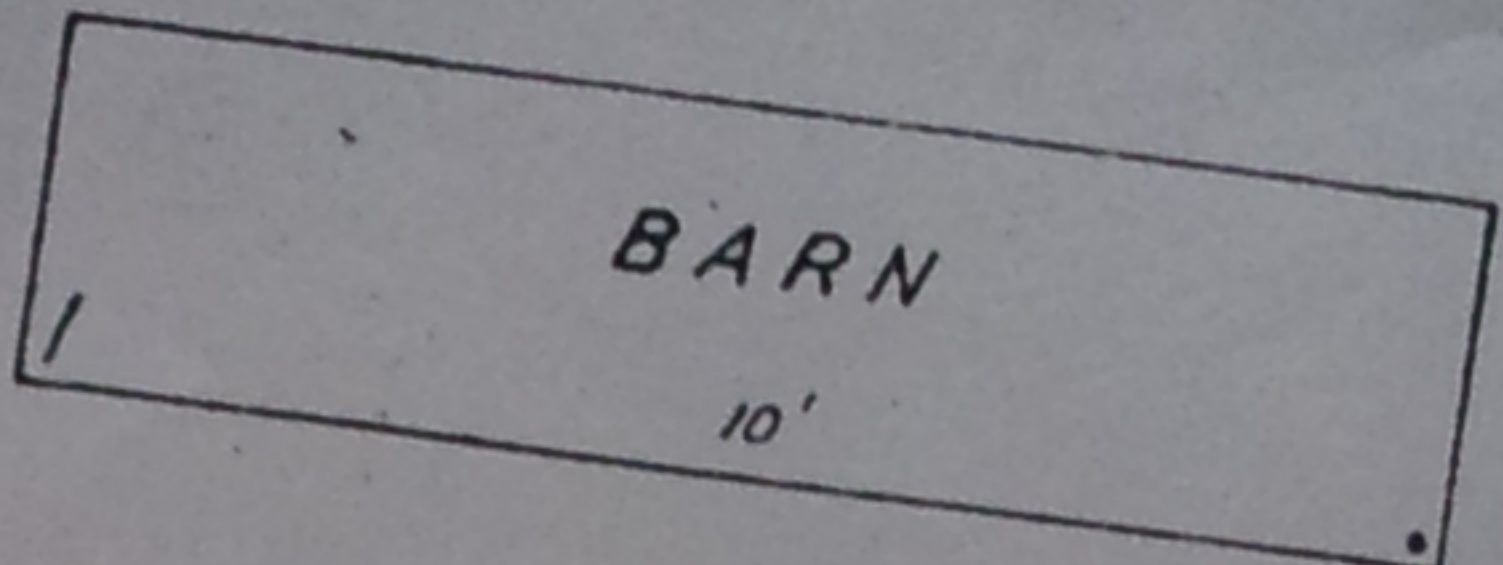
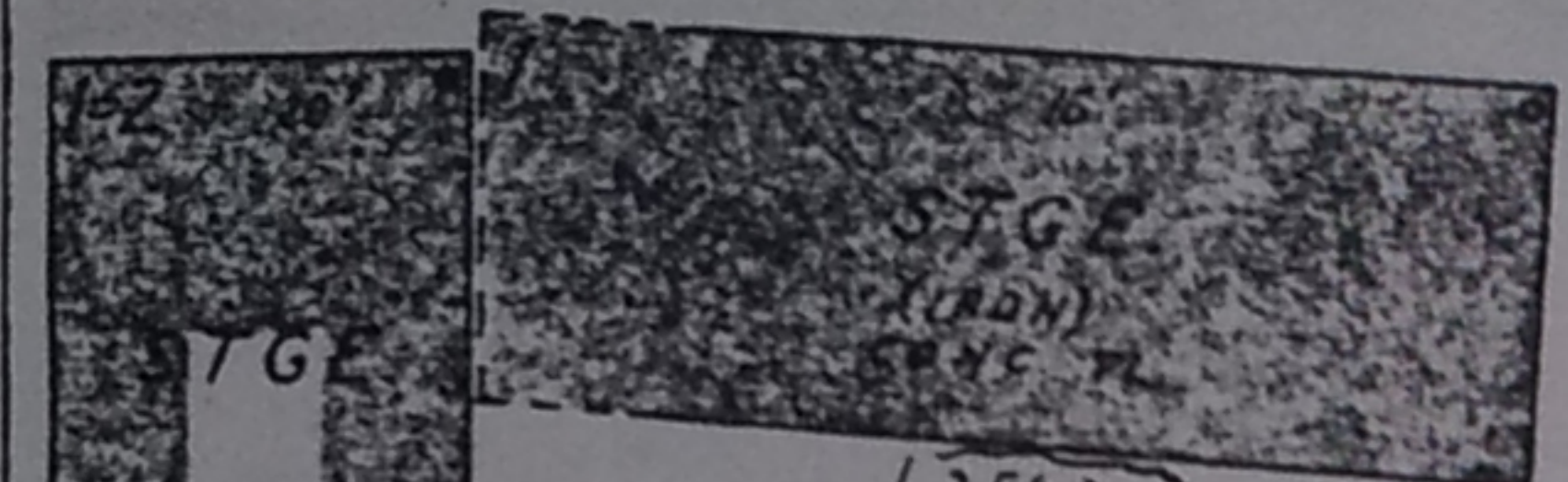
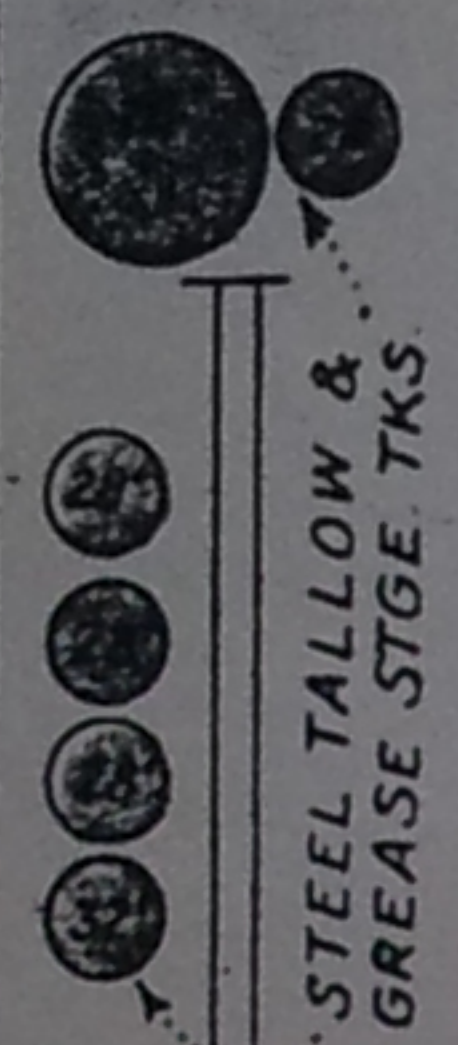
RIGHT OF W.  
N. Y. R.

PUMP HO.  
CONC FL.  
(IRON)

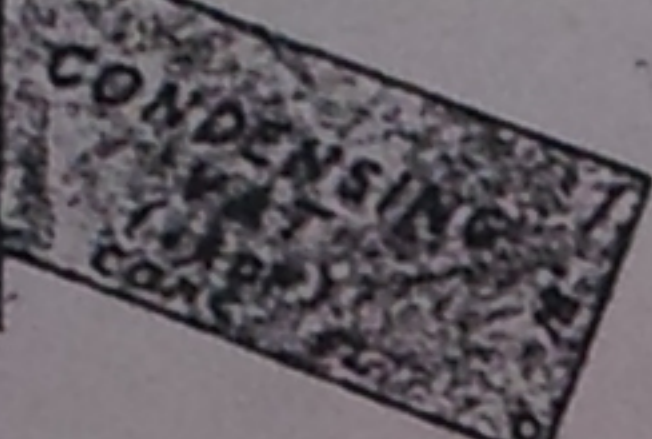


THIS BUILDING  
HAS BEEN  
REMOVED

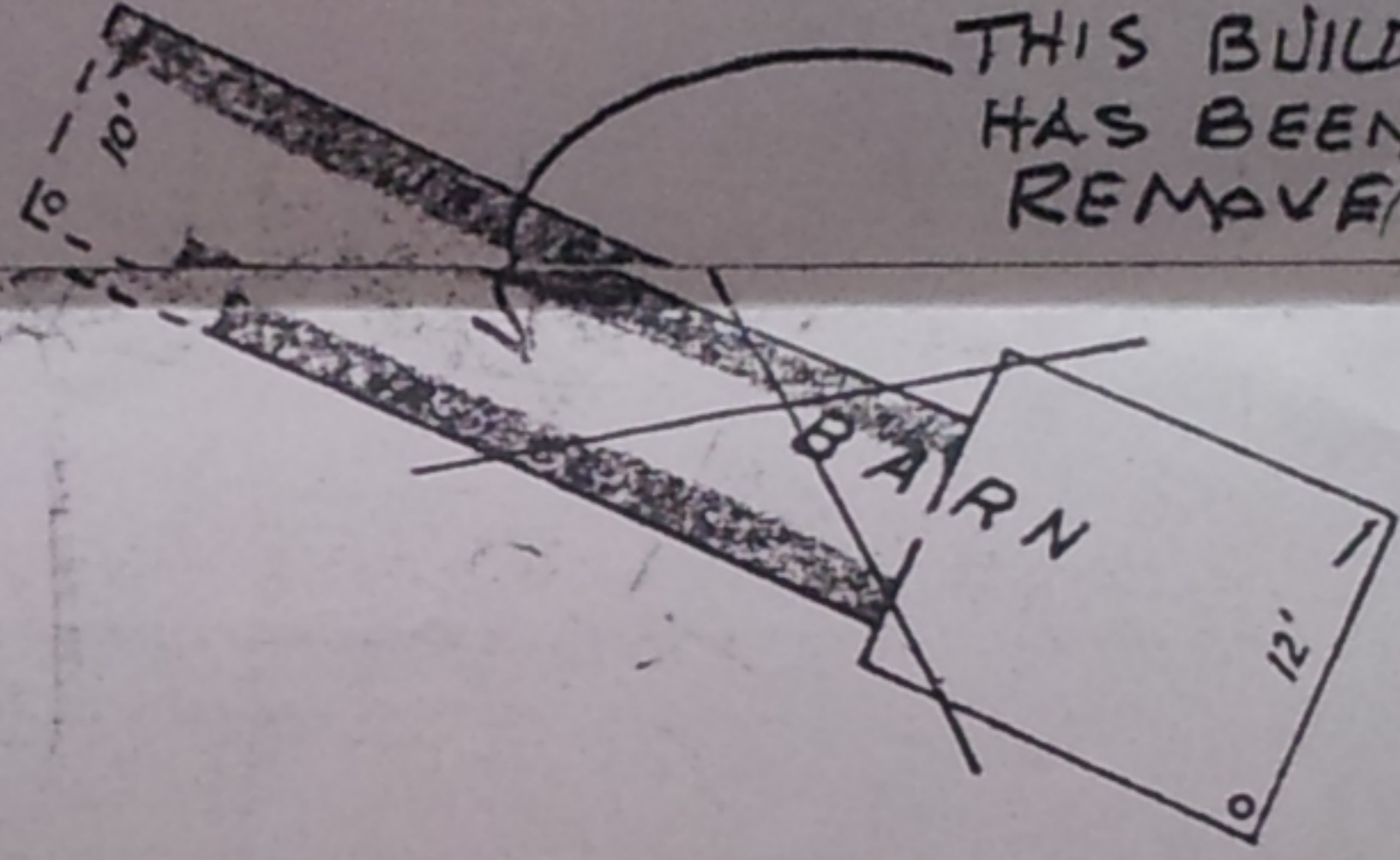
CHICKEN HO'S



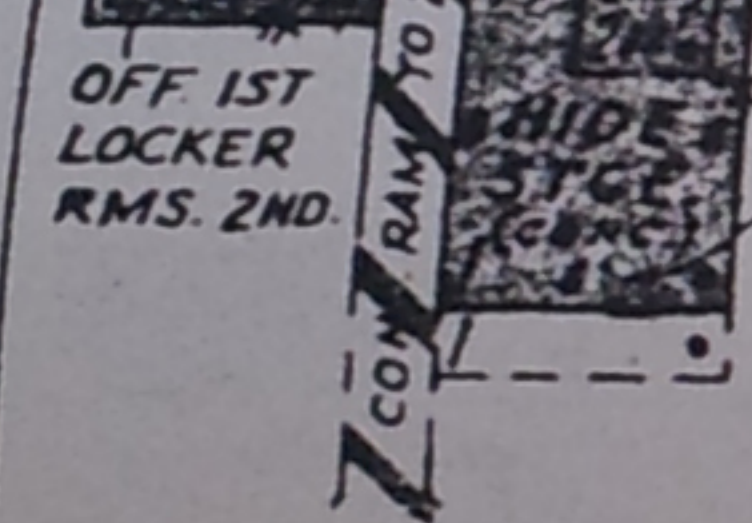
STEEL HOPPER 20'



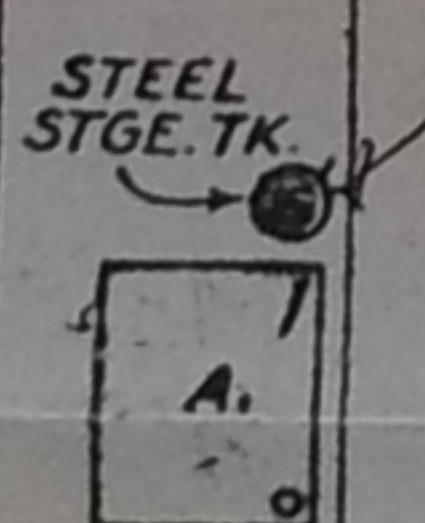
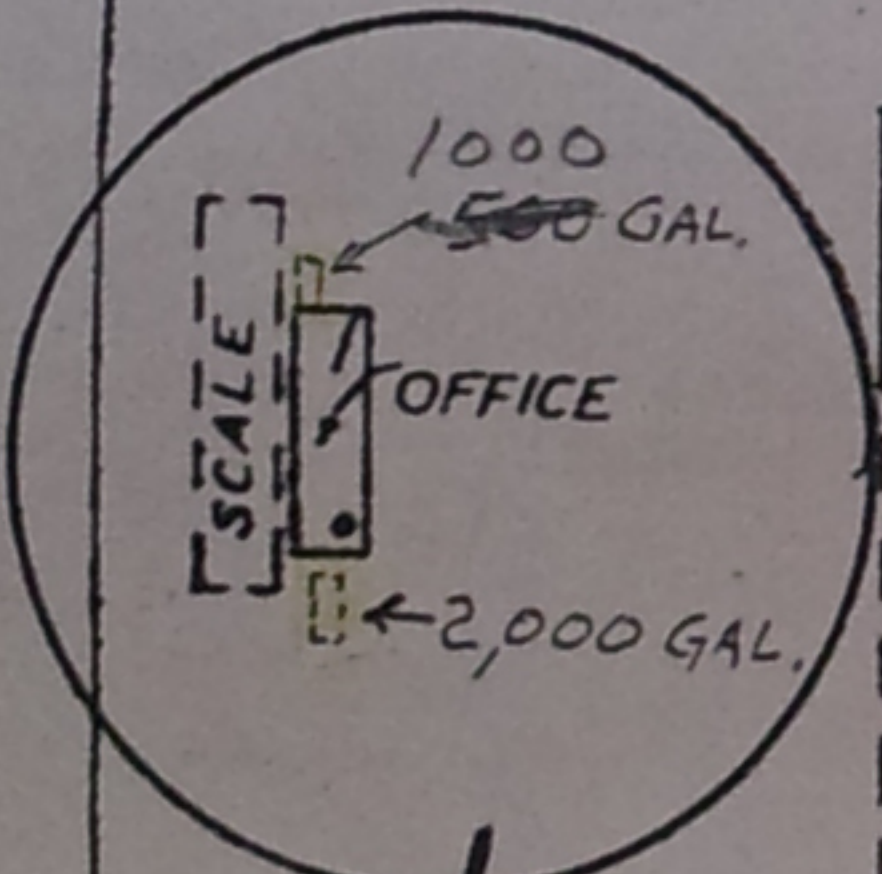
(IRON 3RD)  
STEEL TK  
ON RF.



THIS BUILDING  
HAS BEEN  
REMOVED

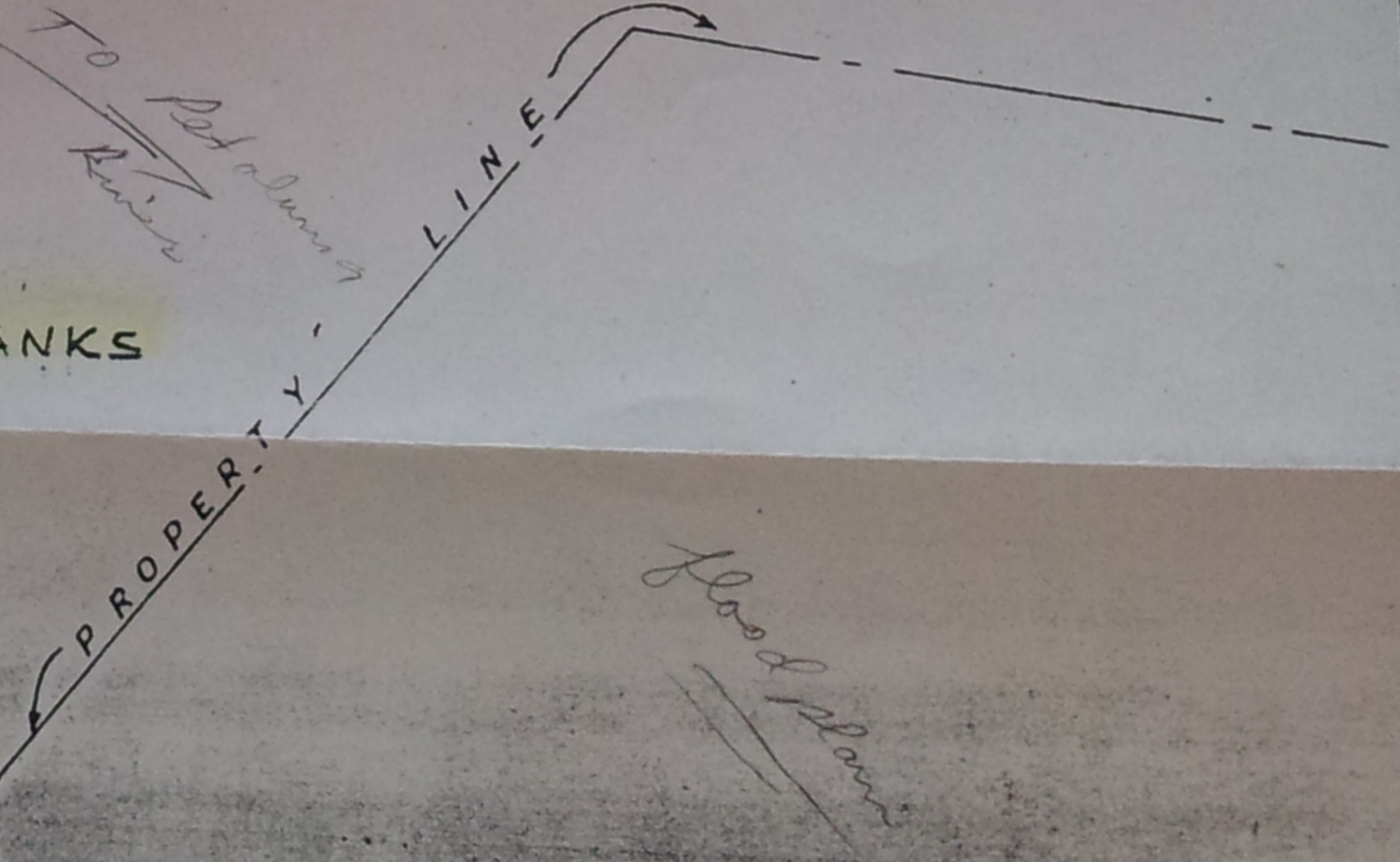


SPUR TRACK



GASOLINE TANKS  
SITE

NORTH



CASA GRANDE RD.

DARLING-DELAWARE COMPANY, INC.  
ROYAL TALLOW & SOAP DIV'N.  
2952 LAKEVILLE HWY.  
PETALUMA, CALIFORNIA

SCALE: 1" = 50'

CANADIAN-AMERICAN AGENCIES, INC.

2592 Lakeville





SONOMA COUNTY  
HAZARDOUS MATERIALS MANAGEMENT  
PROGRAM

MEMO  
2435 Professional Drive, Suite A  
Santa Rosa, CA 95403 • (707) 527-1164

DATE: April 11, 1989

TO: Babette O'Shell/Accounts Receivable

FROM: Susan Cooper/PH-Hazardous Materials Program Management

SUBJECT: Notification of changes to Hazardous Materials Accounts  
Receivable Balances.

INVOICE # & DATE	ID#	GUAR. #	REVENUE CODE	INVOICE BALANCE	ADJUSTMENT
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City of Rohnert Park

6750 Commerce Blvd., Rohnert Park, CA. 94928

FACILITY: Rohnert Park Sewage Treatment, 5661 Redwood, RP

Reason for adjustment: Tank closure permit applied for 4/3/89.

See attached documentation.

APPROVED BY:

*Jeff Leuen*  
Supervising Environmental Health Specialist  
Hazardous Materials Management Program

WP/ADJUST



SONOMA COUNTY UNDERGROUND STORAGE TANK  
ANNUAL REPORTING FORM

Pursuant to Section 29-29(a) of the Sonoma County Code, any permittee operating an underground storage tank under this chapter shall file an annual report. Answer the following and submit with payment of your annual permit to operate fee. When completed, please detach the pink copy and retain for your records.

PERMIT #: 0001359

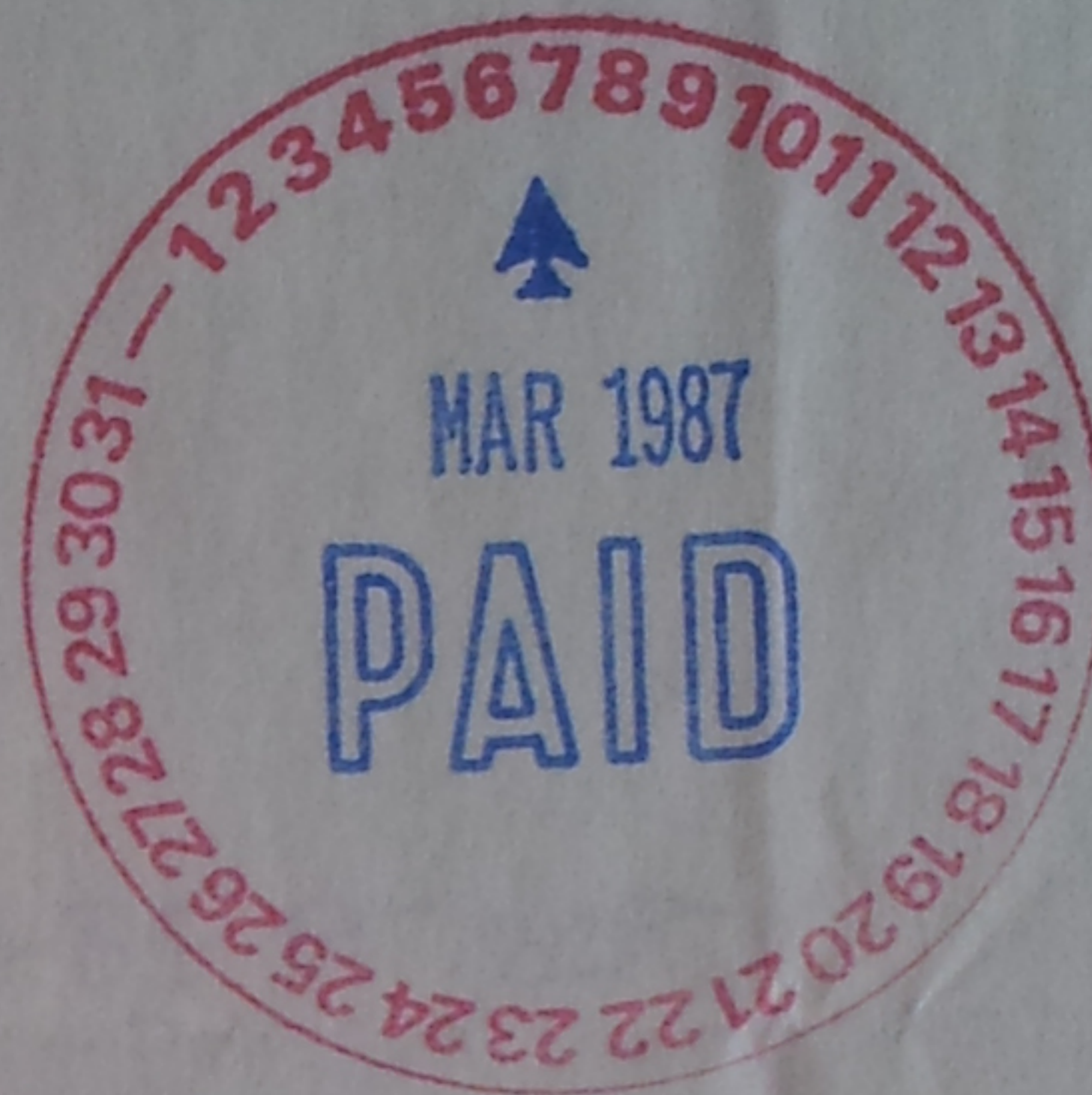
FACILITY OWNER: ROYAL TALLOW & SOAP COMPANY, DARLING-DELLWARE CO., INC.

FACILITY OPERATOR: \_\_\_\_\_

FACILITY ADDRESS: 2592 Lakeville Hwy. Petaluma, CA

UNDERGROUND TANK DESCRIPTION:

<u>Tank #</u>	<u>Chemical Contents</u>	<u>Capacity</u>
	REGULAR GASOLINE	2000 gals.



1) Any changes in the usage of the tank(s), such as:

a) Addition or deletion of hazardous substances?

Yes / / No /x

b) Replacement or repair of all or any part of any tank or piping?

Yes / / No /

c) Addition or deletion of underground storage tanks?

Yes / / No /x

2) Was there unauthorized release of hazardous materials from the tank(s)?

Yes / / No /

3) Have inventory reconciliation data sheets been submitted?

Yes / / No /

4) Has tank testing been done and have results been submitted?

Yes / / No /

5) Any change in emergency response employees and/or phone numbers?

Yes /x / No /

If yes for any of the above, describe: NEW CONTACT-MR. ED JENKINS TEL 415)647-48

I declare under penalty of perjury that the foregoing information is true and correct to the best of my knowledge.

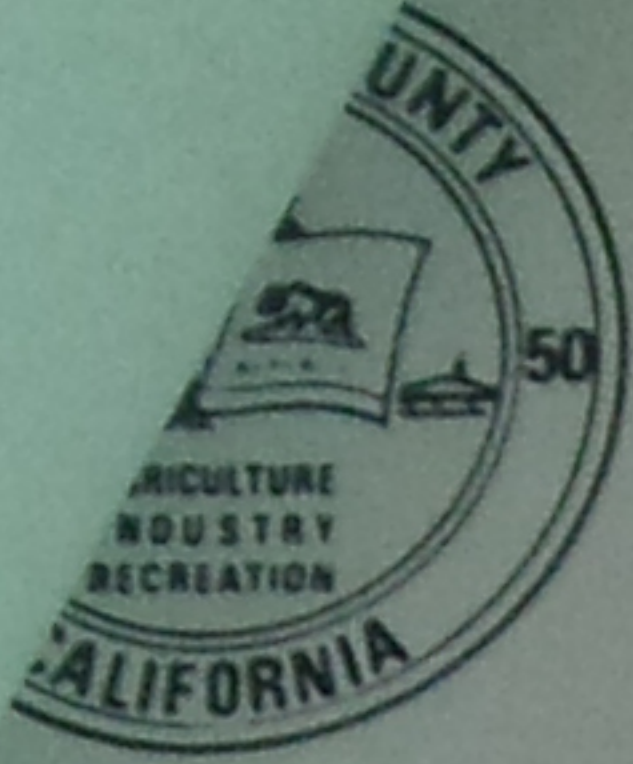
3/4/87

DATE

Edward Jenkins

PERMITTEE'S SIGNATURE





SONOMA COUNTY  
PUBLIC HEALTH DEPARTMENT

3313 CHANATE ROAD  
SANTA ROSA, CALIFORNIA 95404-1795



January 27, 1988

Gray, Jake  
P.O. Box 738  
Petaluma, CA 94953

Re: Annual Reporting Form for Underground Storage Tanks at  
2592 Lakeville, Petaluma

Dear Tank Owner:

Enclosed is an Annual Reporting Form that is required to be completed and submitted for your underground storage tanks on an annual basis pursuant to Section 29-29(a) of the Sonoma County Code. After answering the sections on the form, submit with payment of your annual permit to operate fee in accordance with the enclosed invoice.

If you have any questions, please call me at (707) 527-2784, Monday through Thursday, between 7 a.m. and 5:30 p.m.

Very truly yours,

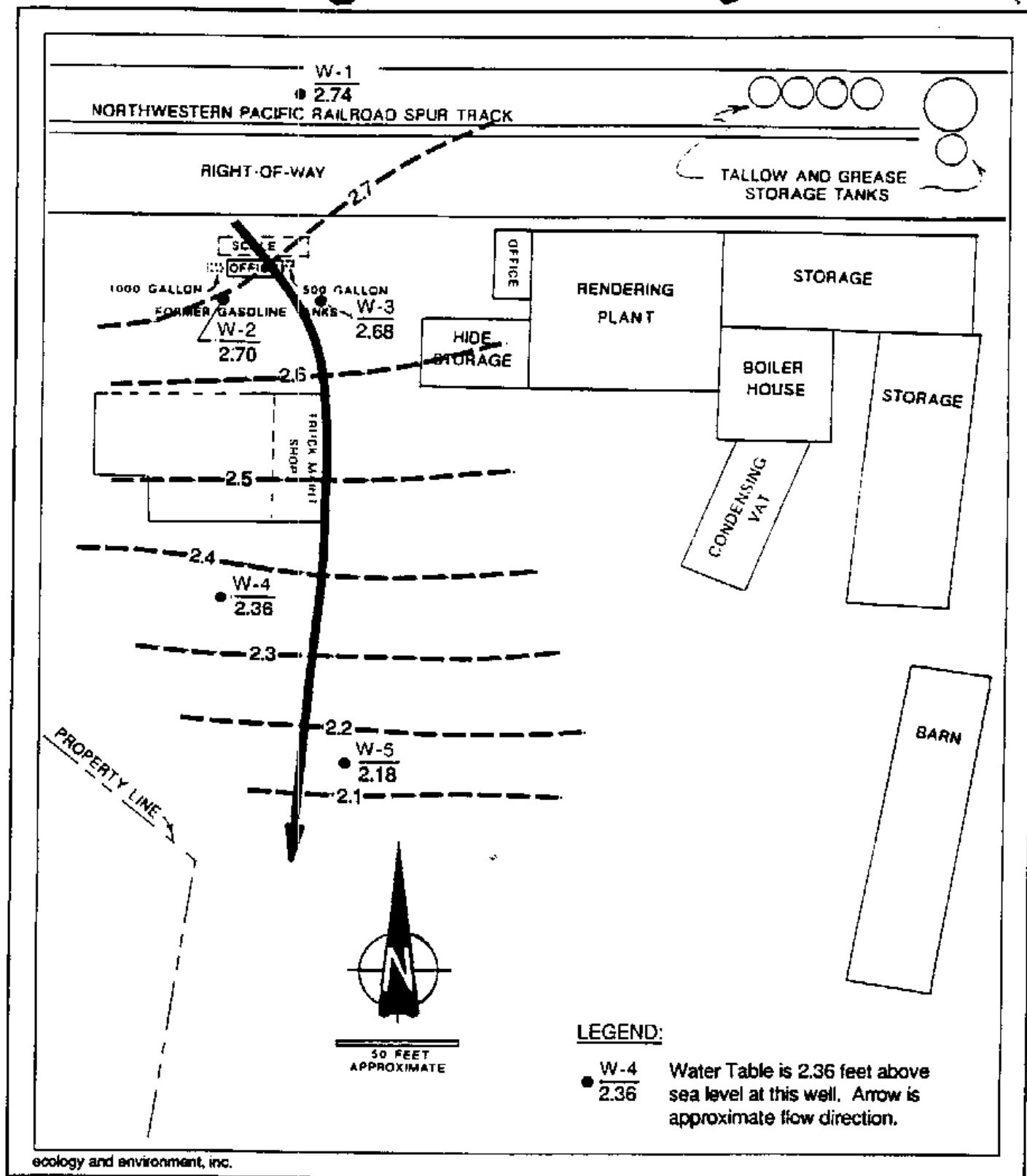
JEFF LEWIN, R.S.  
Supervising Sanitarian

JL/11

Enclosures: Annual Reporting Form  
Annual Operating Permit Invoice

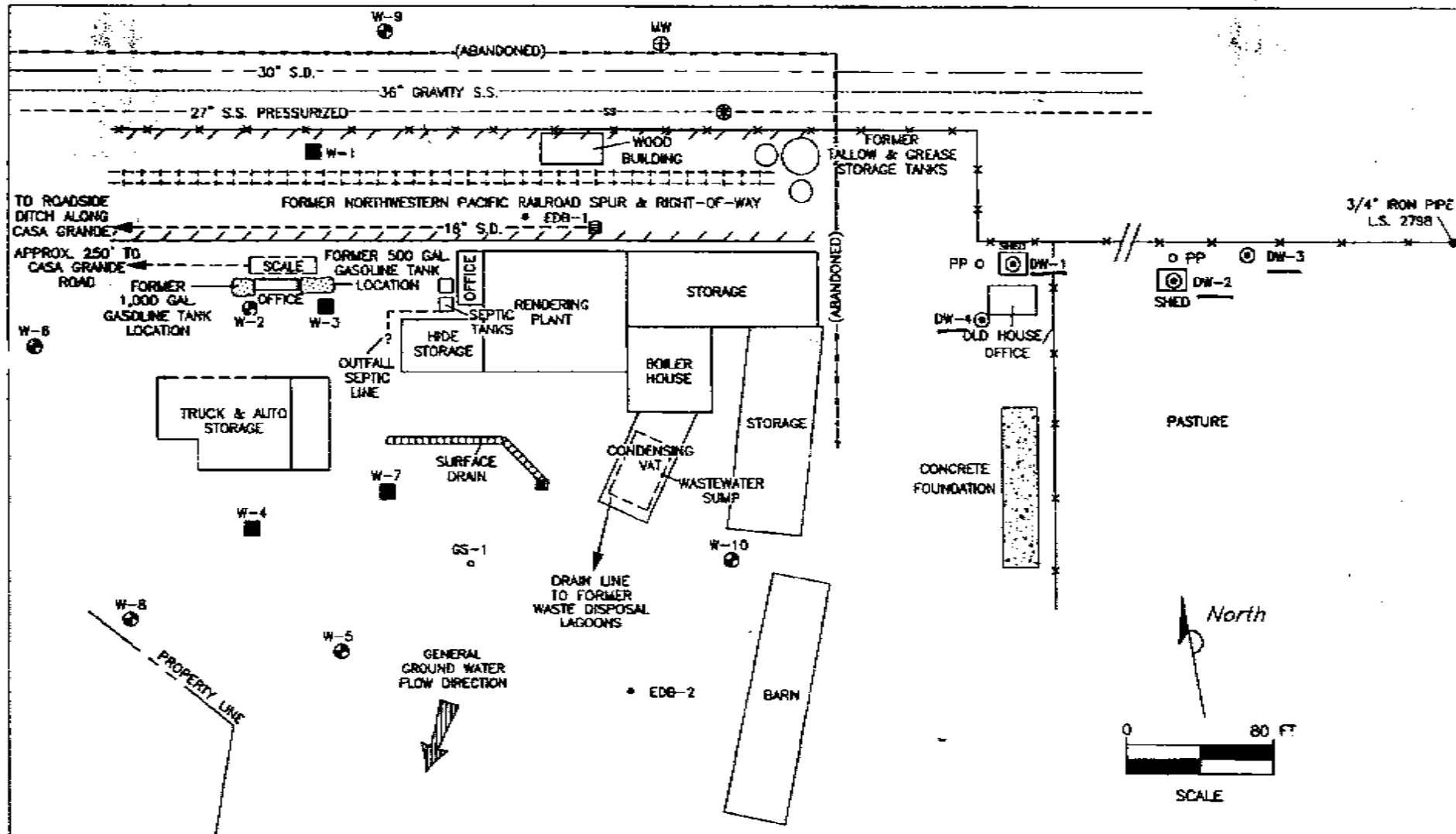
Annual Permit/00001359





**WATER TABLE ELEVATION  
SEPTEMBER 7, 1990  
Royal Tallow and Soap Co.**





## LEGEND:

- LIMITS OF EXCAVATION
- W-2 MONITORING WELL LOCATION
- W-1 DESTROYED MONITORING WELL LOCATION
- DW-1 ABANDONED DOMESTIC/INDUSTRIAL WELL LOCATION
- MW ADJACENT PROPERTY MONITORING WELL LOCATION
- EDB-1 EXPLORATORY SOIL BORING LOCATION
- GS-1 HAND AUGER LOCATION

## UTILITIES:

- NATURAL GAS LINE (BURIED)
- SS SANITARY SEWER LINE (BURIED)
- SD STORM DRAIN (BURIED)
- PP POWER POLE
- MANHOLE

FIGURE 3  
SITE MAP

DARLING INTERNATIONAL INC.  
2592 LAKEVILLE HIGHWAY  
PETALUMA, CA.

PROJECT NO. 0093-005	DRAWN BY TLA 2/22/2000
FILE NO. 93-005-1	PREPARED BY WAB
REVISION NO. 9	REVIEWED BY







COUNTY OF SONOMA  
DEPARTMENT OF HEALTH SERVICES

Mark A. Kostielney - Director

October 30, 2000

*Environmental Health Division*

Jonathan J. Krug - Director

Mr. Bill McMurtry  
Darling International, Inc.  
25 O'Connor Ridge Suite 300  
Irving, TX 75038

**FILE COPY**

Re: 2592 Lakeville Highway, Petaluma - Leaking Underground Storage Tank Site  
[SCDHS-EHD Site # 1359, SFBRWQCB Site #49-0142]

Dear Mr. McMurtry:

On October 26, 2000, the Sonoma County Department of Health Services - Environmental Health Division (SCDHS-EHD) received a work plan for the above mentioned site dated October 25, 2000, by MFG Inc. Thank you for this work plan.

This Department concurs with the scope of the proposed work with the following comments:

1. This work plan states that the truck scale extends to a depth of greater than 5 feet and that the truck scale will be demolished as part of the excavation. Demolishing the truck scale is an acceptable alternative to characterizing the soil contamination between the 4.5 to 10 foot interval. If the truck scale were left in place for the future owner to handle, then soil hazards to the depth of the truck scale would need to be evaluated.
2. Page 8 addresses soil stockpile sampling for on-site disposal, and does not address the depth at which samples will be collected. Sonoma County Guidelines call for soil stockpiles to be sampled from the bottom half of remediated stockpiles, for on-site disposal purposes. Please be sure that field personnel are equipped with any necessary extensions to soil sampling equipment to attain the required depth of soil samples.
3. Advance notice to this Department of 48 hours is required prior to conducting excavation work or sampling activities.
4. Any permits required by other agencies are a condition of concurrence with this work plan.
5. Pre-approval from the State Cleanup Fund is recommended for this work.

I can be reached at (707) 565-6575 if you or your associates would like to discuss this site.

Sincerely,

JONATHAN TRACY, R.E.H.S.  
Leaking Underground Storage Tank  
Local Oversight Program

cc: Mr. John Jang, SFBRWQCB  
Mr. Michael Mosbacher, State CU Fund  
Mr. Christopher White, MFG

JT/ [01359-10.300]





COUNTY OF SONOMA  
DEPARTMENT OF HEALTH SERVICES

Mark A. Kostielney - Director

*Environmental Health Division*

Jonathan J. Krug - Director

June 11, 2001

Mr. Bill McMurtry  
Darling International, Inc.  
25 O'Conner Ridge, Suite 300  
Irving, TX 75038

Re: 2592 Lakeville Highway, Petaluma  
Leaking Underground Storage Tank Site  
SCDHS-EHD Site #00001359; SFBRWQCB Site #49-0142  
Review of Analytical Test Results for Excavation of Contaminated Soil and Exploratory  
Step-Out Borings

Dear Mr. McMurtry:

On March 9, 2001, this Department received the referenced analytical test results from MFG, Inc. The analyses were performed subsequent to overexcavation of contaminated soil and performing shallow exploratory step-out borings to the south of the pit. We have reviewed the test results and note that two samples (SB-5 and S8-D4) had concentrations above the Risk-Based Screening Level (RBSL) of 400 parts per million (ppm) in soil. This level is based on the determination that the shallow groundwater at the site is not a current or potential source of drinking water. The RBSL levels have been adopted by the San Francisco Bay Regional Water Quality Control Board (SFBRWQCB) and are presented in Volume I, Table B, Summary Tier 1 Lookup Tables.

The two referenced samples are located in and adjacent to the southwest portion of the pit. As discussed with Mr. Chris White of MFG, Inc., we require that excavation be conducted in that area so as to remove residual soil contamination that is in excess of the RBSL of 400 ppm. We were at the site on June 8, 2001, and observed an area marked by white paint that indicated the portion of the site to be excavated, in accordance with our directive. We concur with the area as marked. The area to be excavated is located in the northeast portion of an existing garage and will require partial demolition of that area of the structure.

This Department requires notification at least 48 hours prior to performing field work at this site.

You are responsible for obtaining any necessary approvals or permits from all agencies having jurisdiction over any aspect of the proposed work. These agencies may include Fire Services, Building Department, Planning Department, Public Works, Regional Water Quality Control Board, Cal OSHA, etc.

State Water Resources Control Board Cleanup Fund **preapproval is recommended** for all sites when application to the fund has been made or is anticipated. The site must be in compliance with this Department's directives to be eligible for funding.



Mr. Bill McMurtry

June 11, 2001

Page 2

This Department appreciates the effort you are making to investigate and remediate this site. I am the new case worker for this site and request that questions or correspondence be addressed to my attention. Please contact me at (707) 565-6573 if you have any questions. My office hours are 7:30 a.m. to 4 p.m., Monday through Thursday.

Sincerely,

Dale Radford, P.E.

Civil Engineer

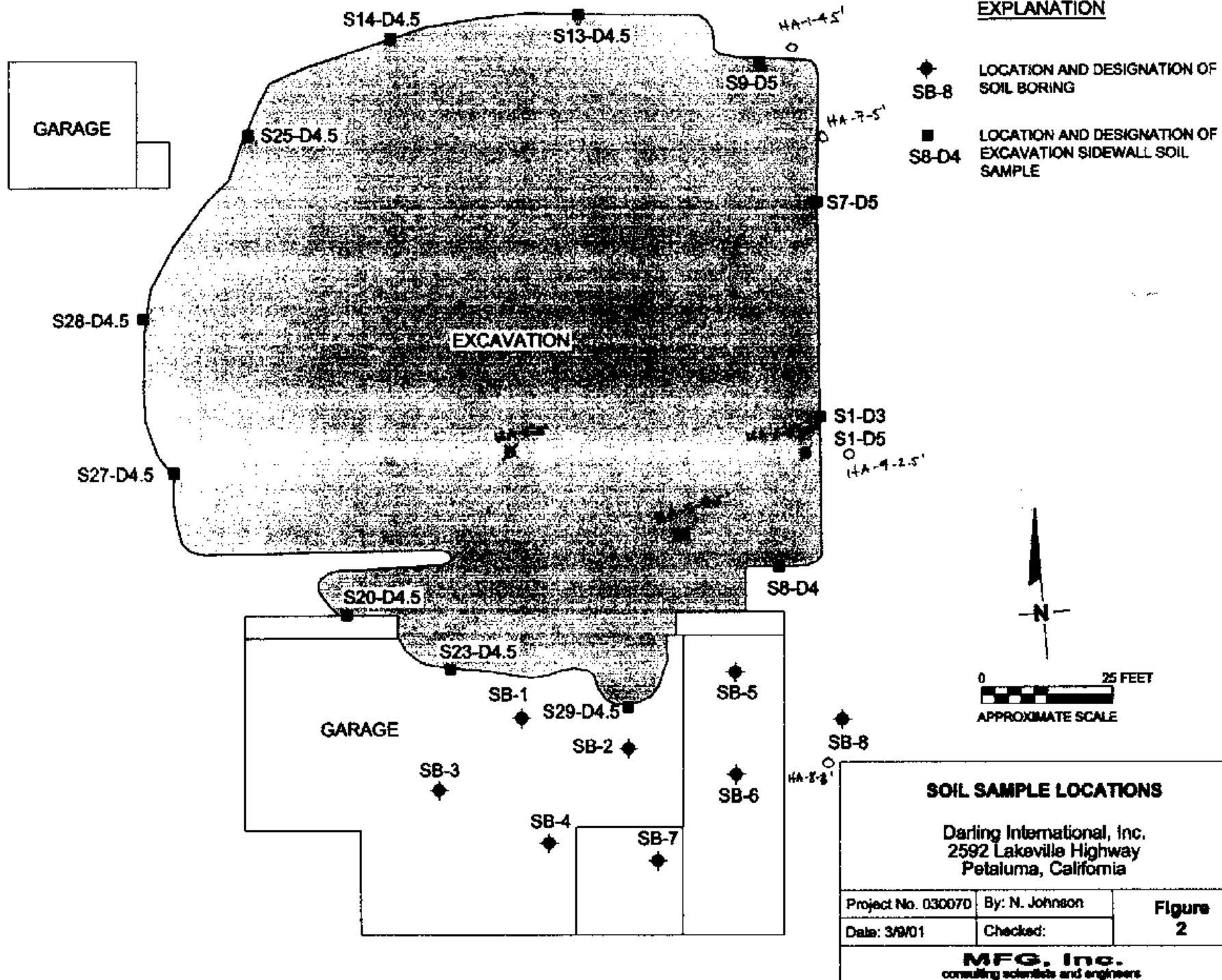
Leaking Underground Storage Tank

Local Oversight Program

DR

c: Mr. John Jang, San Francisco Bay Regional Water Quality Control Board  
SWRCB Cleanup Fund  
Mr. Chris White, MFG, Inc.







**SUMMARY OF CHEMICAL ANALYSES OF CONFIRMATION SOIL SAMPLES  
FOR TPH-GASOLINE AND BENZENE, AND SUMMARY STATISTICS**

Durling International Inc.  
Former Royal Tallow and Soap Company Facility  
Petaluma, California

SAMPLE LOCATION	DATE SAMPLED	LN		BENZENE	LN BENZENE
		TPPH as GASOLINE	TPPH as GASOLINE		
Reporting Limit:		1.00		0.003	
HA-1 (4.5)	23-May-00	0.300	-0.803	0.0025	-5.991
HA-4 (2.5)	27-Jun-00	0.300	-0.803	0.0025	-5.991
HA-7 (5)	27-Jun-00	0.300	-0.803	0.0025	-5.991
HA-8 (5)	27-Jun-00	300	5.704	0.23	-1.470
S1-D3	14-Nov-00	180	0.000	0.003	-5.298
S1-D5	14-Nov-00	278	5.628	0.123	-2.079
S7-D5	17-Nov-00	6.50	1.872	0.0664	-2.712
S8-D4	17-Nov-00	38.8	3.428	0.0568	-2.868
S9-D5	17-Nov-00	0.300	-0.803	0.0025	-5.991
S13-D4.5	29-Nov-00	139	4.934	0.138	-1.981
S14-D4.5	29-Nov-00	31.7	3.830	0.103	-2.273
S20-D4.5	26-Dec-00	621	6.431	0.125	-2.079
S23-D4.5	05-Jan-01	2.75	1.012	0.170	-1.772
S25-D4.5	05-Jan-01	4.29	1.456	0.005	-5.298
S27-D4.5	05-Jan-01	52.1	3.953	0.337	-1.088
S28-D4.5	11-Jan-01	232	5.447	0.369	-0.564
SB-1 (4.25-4.75)	22-Feb-01	172	5.147	0.125	-2.079
SB-2 (4.25-4.75)	22-Feb-01	3.13	1.141	0.0630	-2.765
SB-3 (4.25-4.75)	22-Feb-01	2.46	0.800	0.0291	-3.523
SB-4 (4.25-4.75)	22-Feb-01	1.28	0.247	0.0904	-2.404
SB-6 (4.25-4.75)	22-Feb-01	181	4.816	0.125	-2.079
SB-7 (4.25-4.75)	22-Feb-01	1.56	0.445	0.0336	-3.393
SB-8 (4.25-4.75)	22-Feb-01	438	6.082	0.125	-2.079

**NOTES:**

TPH: Total petroleum hydrocarbons (modified EPA Method 8015M)  
Benzene: Analyzed using EPA Method 8020.  
mg/kg: Milligrams per kilogram.  
1.0: Shading indicates analyte was not detected at or above the laboratory method reporting limit.  
A value of one-half the reporting limit was used for statistical calculations.

Summary Statistics for TPH as Gasoline	
Mean	105.50
Standard Deviation	186.08
Sample Variance	27584.88
Kurtosis	3.26
Skewness	1.90
Range	620.50
Minimum	0.5
Maximum	621
Sum	2428.57
Count	23

Summary Statistics for Ln(TPH) as Gasoline	
Mean	2.578
Standard Deviation	2.549
Sample Variance	6.499
Kurtosis	-1.632
Skewness	0.089
Range	7.124
Minimum	-0.893
Maximum	6.431
Sum	59.299
Count	23

Summary Statistics for Benzene	
Mean	0.110
Standard Deviation	0.130
Sample Variance	0.0168
Kurtosis	6.898
Skewness	2.321
Range	0.567
Minimum	0.0025
Maximum	0.569
Sum	2.532
Count	23

Summary Statistics for Ln(Benzene)	
Mean	-3.120
Standard Deviation	1.735
Sample Variance	3.010
Kurtosis	-0.847
Skewness	-0.716
Range	5.428
Minimum	-5.991
Maximum	-0.564
Sum	-71.771
Count	23



TABLE 2

**CHEMICAL ANALYSES OF SOIL SAMPLES FOR TPH AS GASOLINE AND BENZENE  
AND CALCULATION OF CONFIDENCE INTERVAL OF SAMPLE MEAN**  
[uses t-distribution, which is applicable to small sample sizes]

Darling International, Inc. Former Royal Tallow and Soap Company Facility  
Petaluma, California

SAMPLE LOCATION	SAMPLE DATE	TPH AS GASOLINE (mg/kg)	LN(TPH AS GASOLINE) (mg/kg)	BENZENE (mg/kg)	LN(BENZENE) (mg/kg)
<b>Final Confirmation Samples:</b>					
HA-1 (4.5')	23-May-00	0.500	-0.693	0.0025	-5.991
HA-4 (2.5')	27-Jun-00	0.500	-0.693	0.0025	-5.991
HA-7 (5')	27-Jun-00	0.500	-0.693	0.0025	-5.991
HA-8 (5')	27-Jun-00	390	5.764	0.23	-1.470
S1-D5	14-Nov-00	1.08	0.000	0.005	-5.298
S1-D5	14-Nov-00	278	5.628	0.125	-2.079
S7-D5	17-Nov-00	6.50	1.872	0.0664	-2.712
S8-D4	17-Nov-00	30.8	3.428	0.0546	-2.868
S9-D5	17-Nov-00	0.500	-0.693	0.0025	-5.991
S13-D4.5	29-Nov-00	139	4.934	0.138	-1.981
S14-D4.5	29-Nov-00	37.7	3.630	0.103	-2.273
S26-D4.5	26-Dec-00	621	6.431	0.125	-2.079
S23-D4.5	05-Jan-01	2.75	1.012	0.176	-1.772
S25-D4.5	05-Jan-01	4.29	1.456	0.005	-5.298
S27-D4.5	05-Jan-01	52.1	3.953	0.337	-1.088
S28-D4.5	11-Jan-01	232	5.447	0.569	-0.564
SB-1 (4.25-4.75)	22-Feb-01	172	5.147	0.125	-2.079
SB-2 (4.25-4.75)	22-Feb-01	3.13	1.141	0.0630	-2.763
SB-3 (4.25-4.75)	22-Feb-01	2.46	0.900	0.0295	-3.523
SB-4 (4.25-4.75)	22-Feb-01	1.28	0.247	0.0904	-2.404
SB-6 (4.25-4.75)	22-Feb-01	101	4.615	0.125	-2.079
SB-7 (4.25-4.75)	22-Feb-01	1.56	0.445	0.0336	-3.393
SB-8 (4.25-4.75)	22-Feb-01	438	6.082	0.125	-2.079
<b>Summary Statistics:</b>					
Sample Size (n):		23	23	23	23
Degrees of Freedom (n-1):		22	22	22	22
Sample Mean:		106	2.58	0.110	-3.12
Sample Standard Deviation:		166	2.55	0.130	1.73
T (0.05) Statistic:		2.07	2.07	2.07	2.07
Upper 95% Confidence Level:		72	1.10	0.056	0.750
Upper 95% Confidence Mean:		177	3.68	0.166	-2.37
Regulatory Cleanup Level:		400 / 400 *	[ 6.0 / 6.0 ]	0.18 / 0.39 *	[ -1.77 / -0.94 ]

## NOTES:

- TPPH Total petroleum hydrocarbons. Analyzed using modified EPA Method 8015M and quantified against a gasoline standard.  
Benzene Analyzed using EPA Method 8020.  
mg/kg Milligrams per kilogram.  
1.0 Shading indicates analyte was not detected at or above the laboratory method reporting limit. A value of one half the reporting limit was used for statistical calculations.  
\* California Regional Water Quality Control Board Risk-Based Screening Levels for residential/industrial land use (September 2000).





**G**  
consulting  
scientists and  
engineers

MFG, Inc.  
A TETRA TECH COMPANY  
180 Howard Street, Suite 200  
San Francisco, CA 94105-1617  
Tel: 415-749-7110  
Fax: 415-749-7107

DEPARTMENT OF  
HEALTH SERVICES

JUN 18 2004

ENVIRONMENTAL  
HEALTH DIVISION

June 15, 2004  
Project No. 030070.4

Mr. Dale Radford  
Sonoma County Department of Health Services  
Environmental Health Division  
3273 Airway Drive, Suite D  
Santa Rosa, CA 95403-2097

**Subject: Monitoring Well Decommissioning (Destruction)  
Former Royal Tallow and Soap Company Facility  
2592 Lakeville Highway, Petaluma, California [SCDHS-EHD Site # 1359]**

Dear Mr. Radford:

MFG, Inc. is pleased to submit this letter report summarizing the groundwater monitoring well decommissioning (destruction) at the former Royal Tallow and Soap Company facility located at 2592 Lakeville Highway in Petaluma, California (the Site). The Site location is illustrated in Figure 1, and the former well locations are shown in Figure 2. Destruction of the groundwater monitoring wells was required by the Sonoma County Department of Health Services, Environmental Health Division (SCDHS-EHD) in its letter to Darling International Inc. (Darling) dated October 29, 2003.

The well destruction activities were performed in accordance with MFG's *Revised Monitoring Well Decommissioning (Destruction) Work Plan*, dated March 26, 2004, which was approved by the SCDHS-EHD in its letter to Darling, dated March 31, 2004. The scope of work consisted of the following activities: (1) surveying the horizontal location of each monitoring well in accordance with GeoTracker requirements; (2) submittal of the required well information to the state GeoTracker database system; and (3) destruction of the five monitoring wells associated with the Site.

## WELL SURVEYING AND GEOTRACKER SUBMITTALS

On April 28, 2004, Site monitoring wells W-5, W-6, W-8 and W-10 and off-site monitoring well W-9 were resurveyed for horizontal location (latitude and longitude) in accordance with GeoTracker requirements by Michael Ford, Inc. Land Surveying of Petaluma, California (Professional Land Surveyor License No. 7237). The location of well W-9 was identified in the field by the surveyor using survey data it obtained during development of the off-site property. This well, which was located approximately 100 feet north of the subject site on the adjacent property occupied by the Alexan Park Central Apartments, was buried in July 2001 during rough grading for construction of the present day apartment complex.



Mr. Dale Radford  
Sonoma County Department of Health Services  
June 15, 2004  
Page 2

The required well information to include horizontal location data, historical elevation data, monitoring data from the January and March 2003 groundwater sampling events, and a site plan were submitted to the state GeoTracker database system under the Site's Global Identification Number T0609700905.

## **WELL DESTRUCTION**

Prior to beginning field work, a drilling permit for well destruction was obtained from the SCDHS-EHD for the five wells associated with the Site (W-5, W-6, W-8, W-9 and W-10). A copy of the permit is provided in Attachment A. Drilling and permitting services for well destruction were provided by Gregg Drilling & Testing, Inc. (Gregg) of Martinez, California (Well Drilling Contractor's C-57 License No. 48165).

Decommissioning of on-site monitoring wells W-5, W-6, W-8, and W-10 and off-site monitoring well W-9 was completed by Gregg on May 4, 2004 under the observation of MFG personnel. The buried well, W-9, was encountered at a depth of approximately 3 feet below the asphalt pavement of the off-site parking lot. The fill material overlying the well was removed using vacuum excavation techniques after an 18-inch diameter core of the asphalt pavement had been removed. At each well location, the vault box or well monument was removed and the well casing and other well construction materials (concrete seal, bentonite seal and sand filter pack) were removed using a CME drilling rig and 10.25-inch diameter hollow-stem augers for wells W-5, W-6, W-8, and W-9 and 8.25-inch diameter hollow-stem augers for well W-10. The depths of the well construction materials ranged from approximately 10 to 21 feet below ground level (bgl), as detailed on copies of the California Department of Water Resources Well Completion Reports (Form 188) provided in Attachment B. Following removal of the well construction materials, each borehole was immediately filled from the bottom to top with cement-bentonite grout using a tremie pipe as the augers were incrementally removed from the borehole. Approximately 1 foot of dry concrete was placed at the bottom of the vacuum excavated hole above the borehole for well W-9 and the remainder of the hole was backfilled and compacted with fill material and resurfaced with approximately 6 inches of asphalt pavement by North Bay Construction.

Decommissioning of the wells completes the SCDHS-EHD requirements for site closure. It is our understanding that a Remedial Action Completion Certification will be issued to Darling by the SCDHS-EHD.

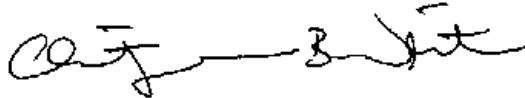


Mr. Dale Radford  
Sonoma County Department of Health Services  
June 15, 2004  
Page 3

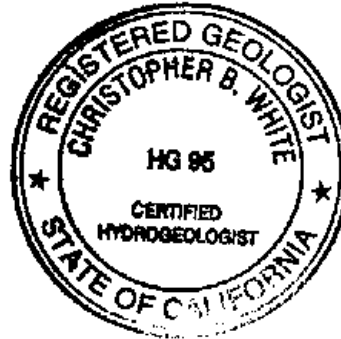
Please contact the undersigned at (415) 495-7110 if you require further information.

Sincerely yours,

MFG, INC.



Christopher B. White, C.H.G.  
Senior Hydrogeologist



Attachments: Figure 1 - Site Location Map  
Figure 2 - Monitoring Well Locations  
Attachment A - Drilling Permit for Well Destruction  
Attachment B - California Department of Water Resources Well Completion Reports  
(Form 188)

cc: Bill McMurtry, Darling International, Inc., with attachments  
Steve Hester, TCR-NC Construction, Inc., with attachments



## **Figures**





SOURCE: USGS 7.5' QUADRANGLE  
PETALUMA RIVER, CALIFORNIA  
PHOTO REVISED 1980



0 2,000 FEET  
APPROXIMATE SCALE

### SITE LOCATION MAP

Darling International Inc.  
2592 Lakeville Highway  
Petaluma, California

PROJECT NO. 030070

BY: N. JOHNSON

FIGURE

DATE: 10/11/00

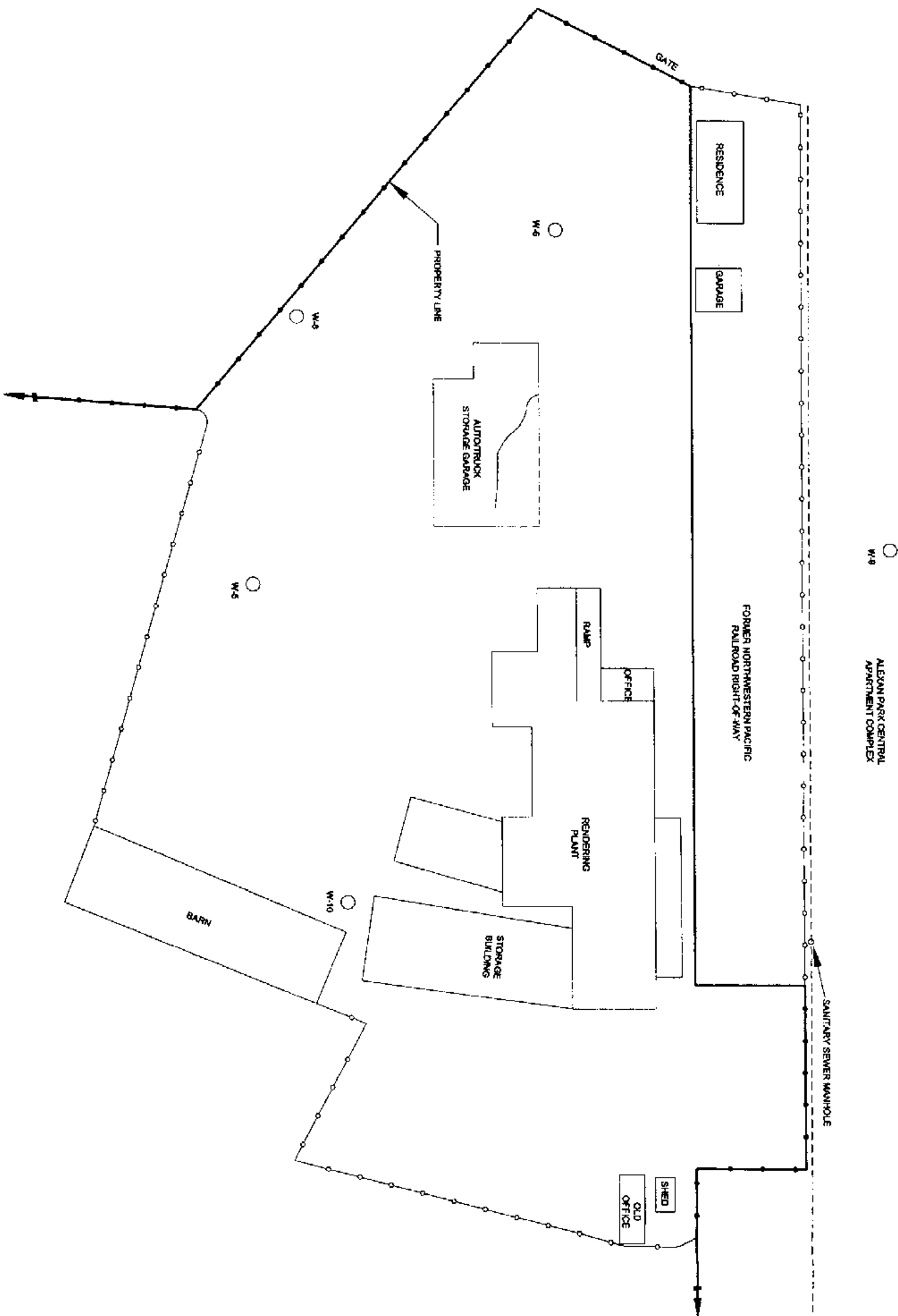
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1

**MFG, Inc.**

consulting scientists and engineers





EXPLANATION:

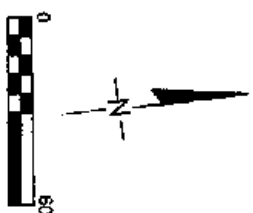
○ LOCATION AND DESIGNATION  
OF DECOMMISSIONED  
MONITORING WELL

— PROPERTY LINE

— FENCE

NOTE:

1. LOCATIONS ARE APPROXIMATE



MONITORING WELL LOCATIONS

Darling International, Inc.  
2592 Lakeville Highway  
Petaluma, California

Project No. 030070	By: M. Lee	Figure
Date: 11/10/03	Checked: CBW	2

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